

FIG.1

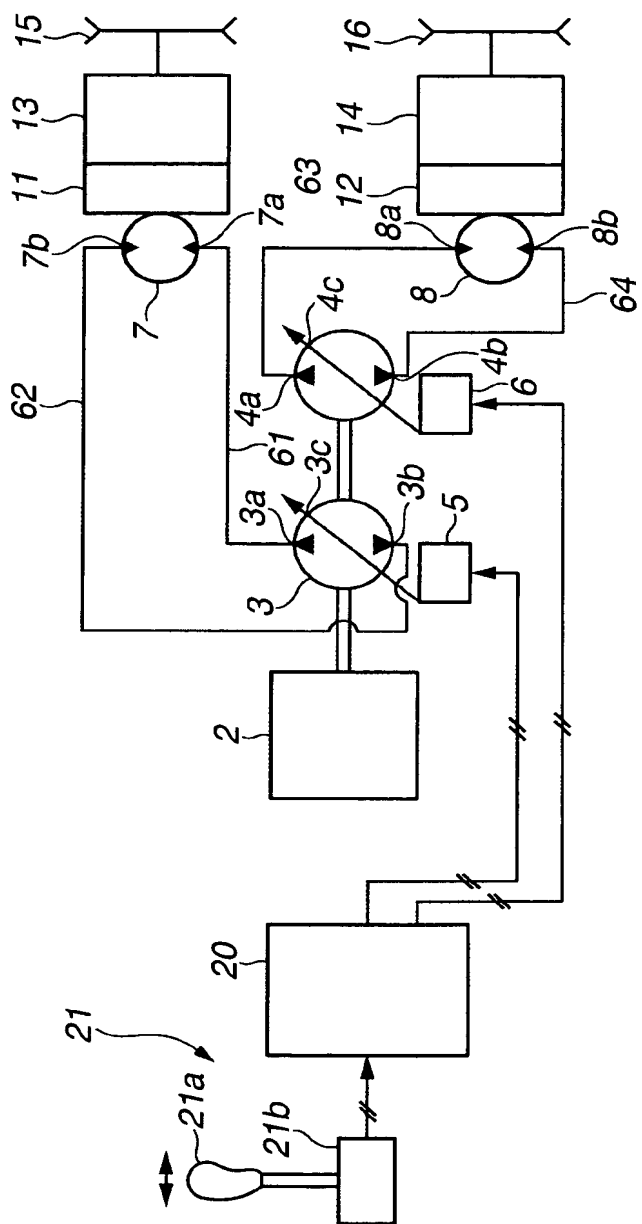


FIG.2

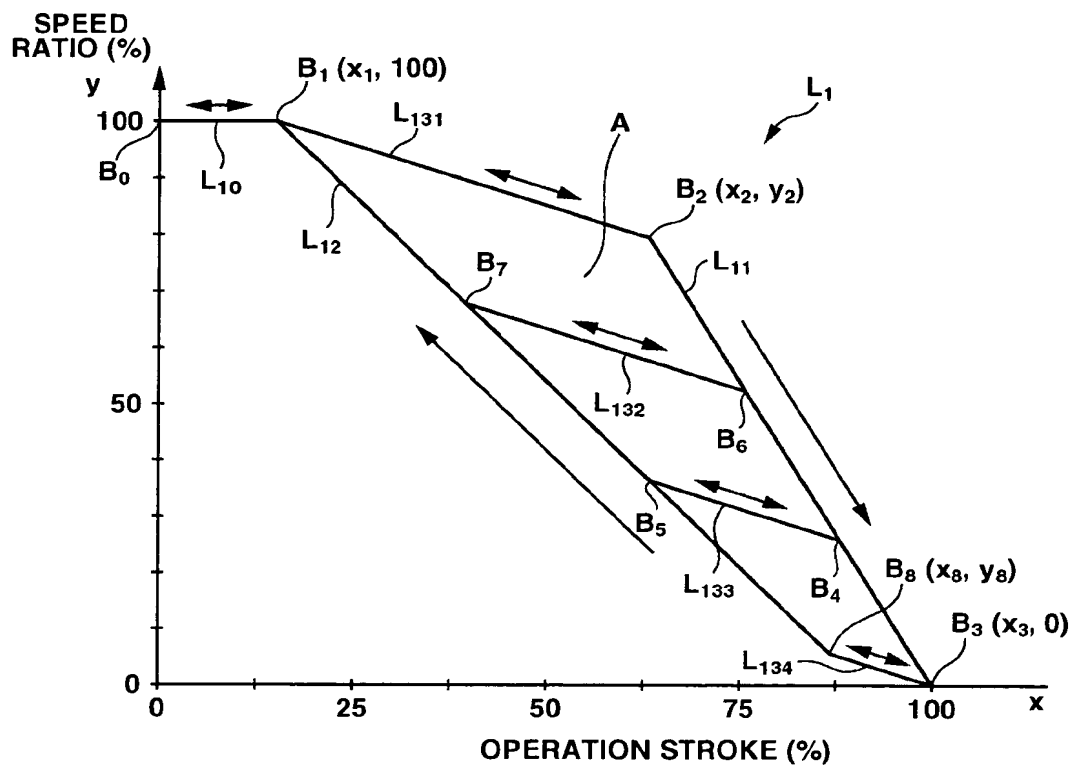


FIG.3

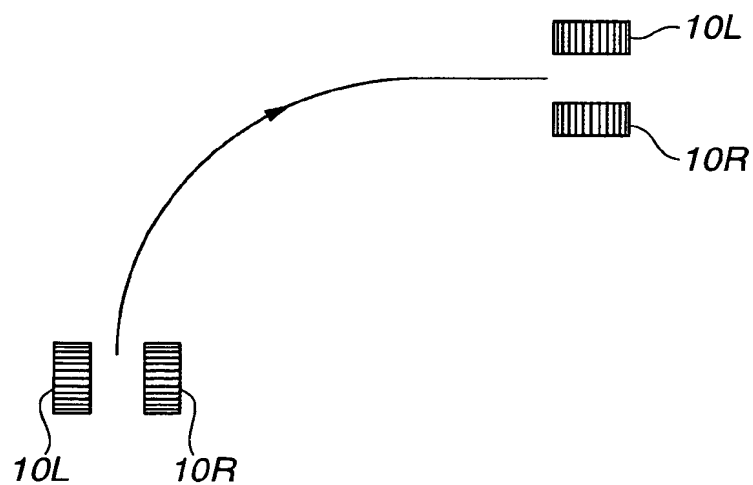


FIG.4

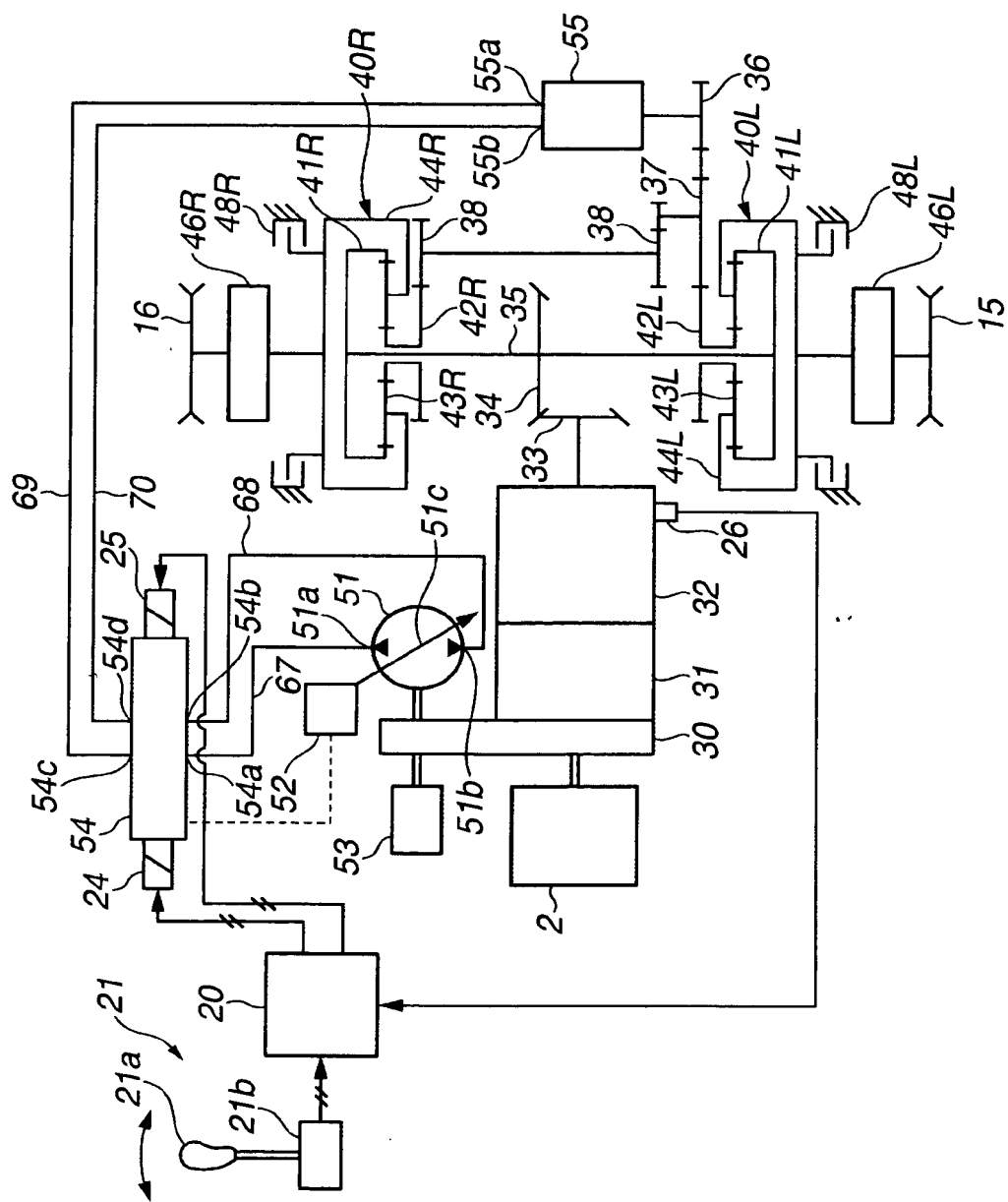


FIG.5

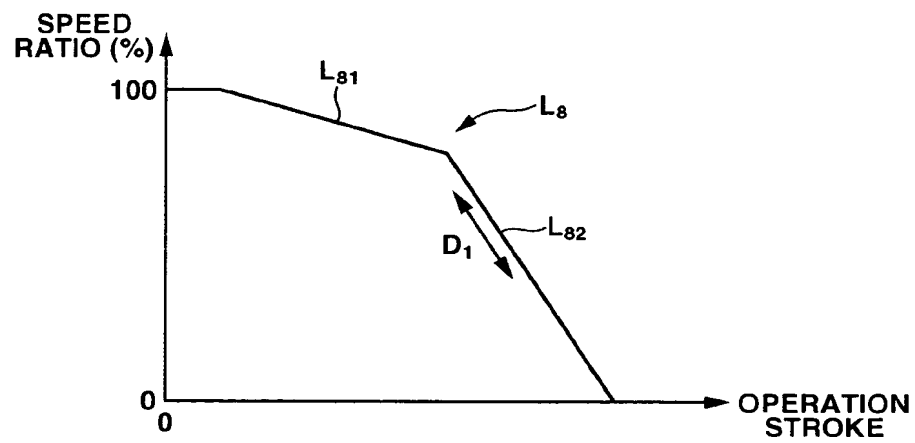


FIG. 6

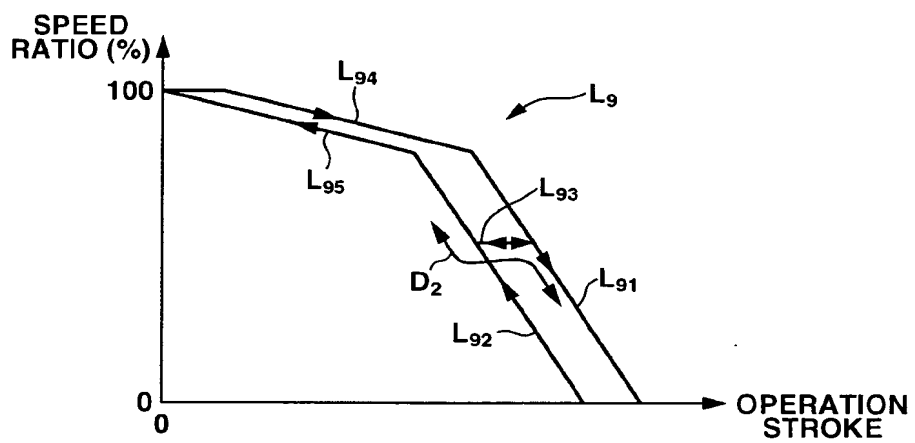


FIG. 7

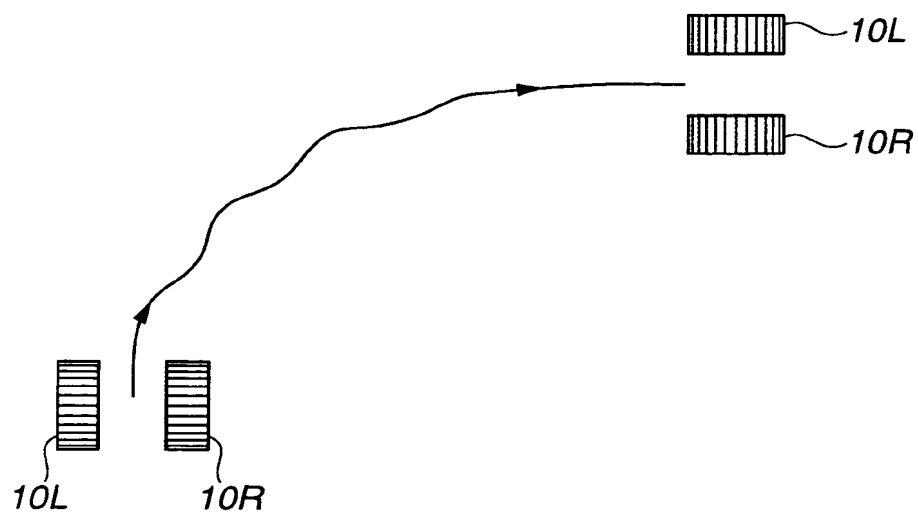


FIG. 8

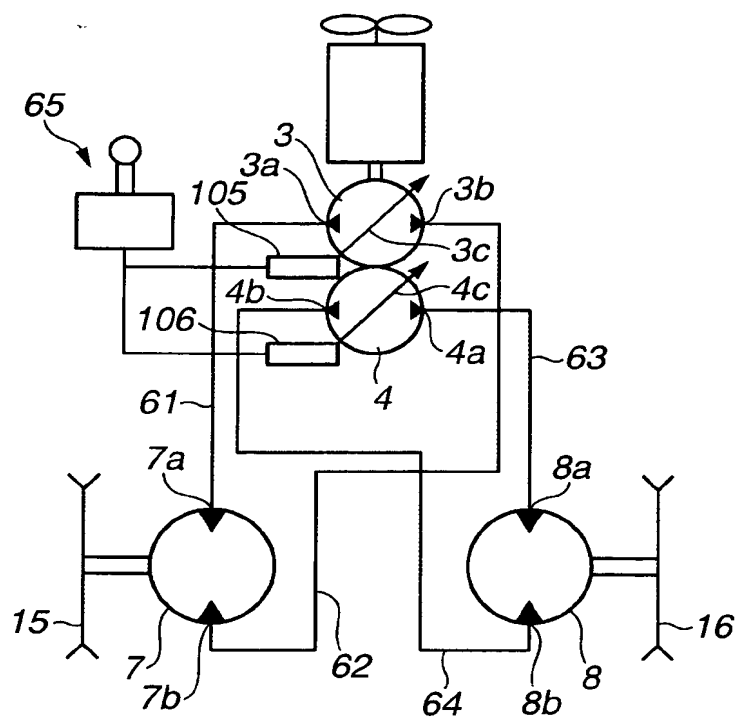


FIG. 9



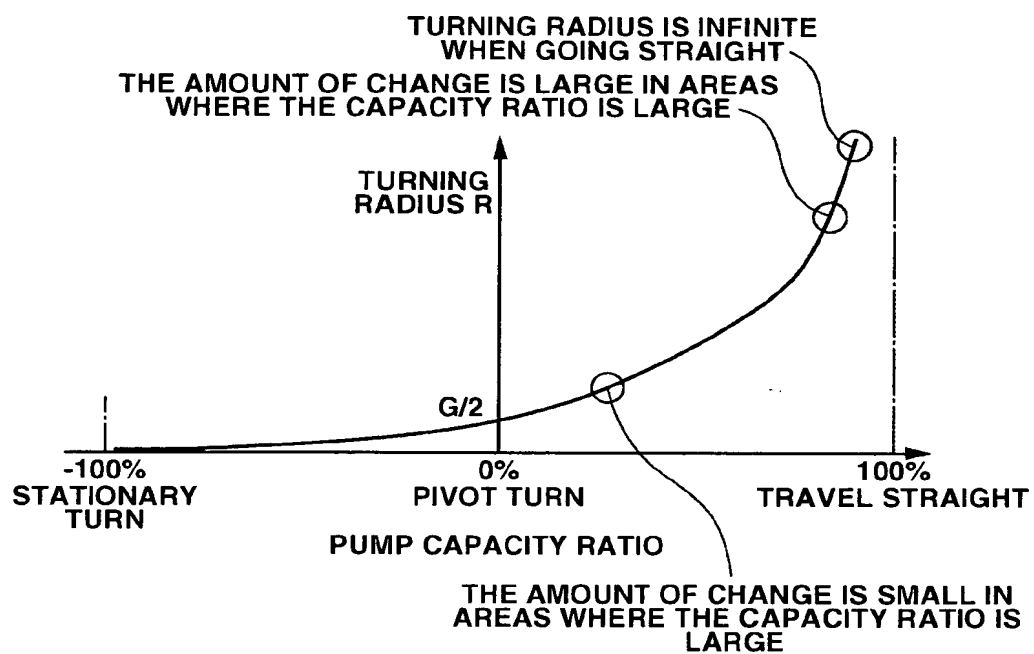


FIG.12

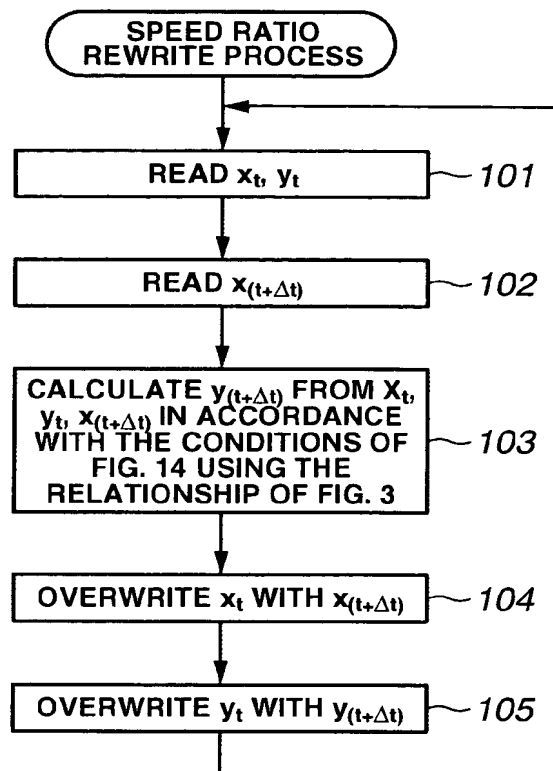


FIG.13

CALCULATION OF SPEED RATIO $y_{(t+\Delta t)}$

COORDINATES OF POINT (X_t, y_t)	AT POINT B_1	ON LINE L_{131}	AT POINT B_2	ON FIRST LINE L_{11}	AT POINT B_3	ON THIRD LINE L_{134}	AT POINT B_8	ON SECOND LINE L_{12}	WITHIN INTERNAL AREA A	ON LINE L_{10}
$(X_{(t+\Delta t)} - X_t) \geq 0$ (RECLINING OPERATION)	FINE CONTROL AREA IN ACCORDANCE WITH LINE L_{131}	FINE CONTROL AREA IN ACCORDANCE WITH LINE L_{131}	IN ACCORDANCE WITH FIRST LINE L_{11}	IN ACCORDANCE WITH FIRST LINE L_{11}	—	IN ACCORDANCE WITH THIRD LINE L_{134} NEAR PIVOT TURN AREA	IN ACCORDANCE WITH THIRD LINE L_{134} NEAR PIVOT TURN AREA	CHANGE IN ACCORDANCE WITH a OF INTERMEDIATE THIRD LINE	CHANGE IN ACCORDANCE WITH a OF INTERMEDIATE THIRD LINE	IN ACCORDANCE WITH LINE L_{10}
$(X_{(t+\Delta t)} - X_t) < 0$ (RETURNING OPERATION)	IN ACCORDANCE WITH LINE L_{10}	FINE CONTROL AREA IN ACCORDANCE WITH LINE L_{131}	FINE CONTROL AREA IN ACCORDANCE WITH LINE L_{131}	CHANGE IN ACCORDANCE WITH a OF INTERMEDIATE THIRD LINE	IN ACCORDANCE WITH THIRD LINE L_{131} NEAR PIVOT TURN AREA (CHANGE IN ACCORDANCE WITH SLOPE a)	IN ACCORDANCE WITH THIRD LINE L_{134} NEAR PIVOT TURN AREA	IN ACCORDANCE WITH SECOND LINE L_{12}	IN ACCORDANCE WITH SECOND LINE L_{12}	CHANGE IN ACCORDANCE WITH a OF INTERMEDIATE THIRD LINE	IN ACCORDANCE WITH LINE L_{10}

FIG.14



FIG.15

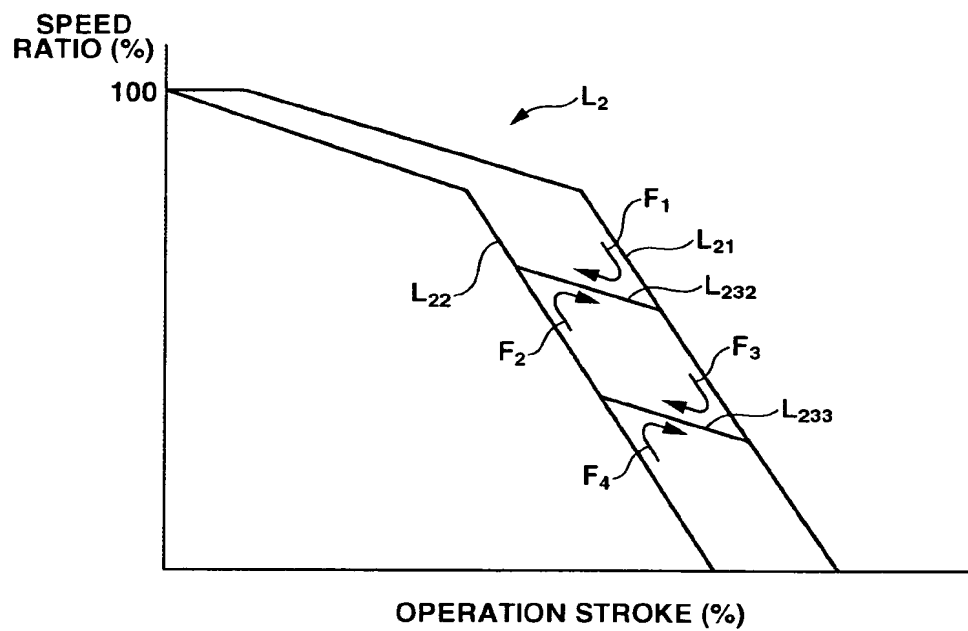


FIG.16A

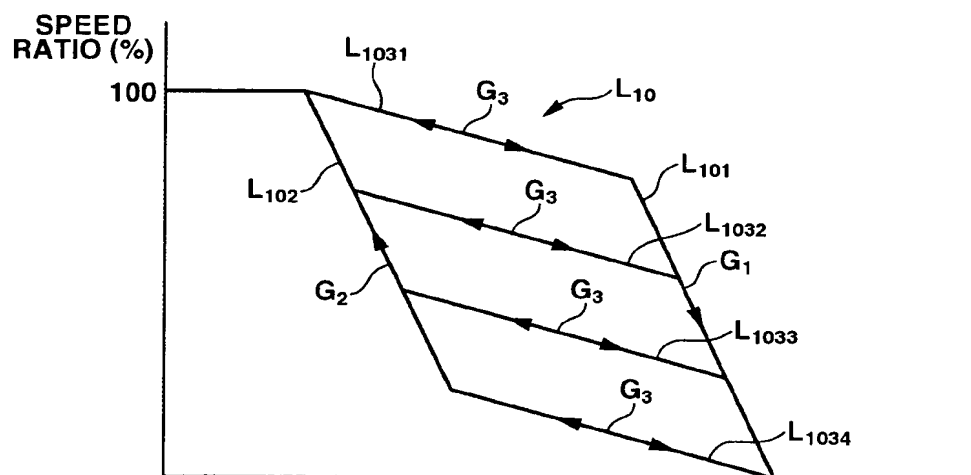
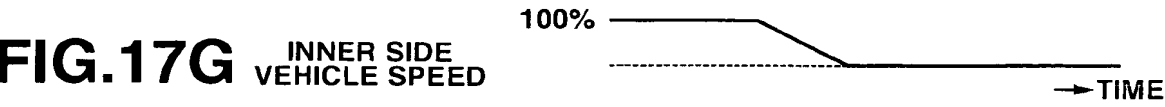
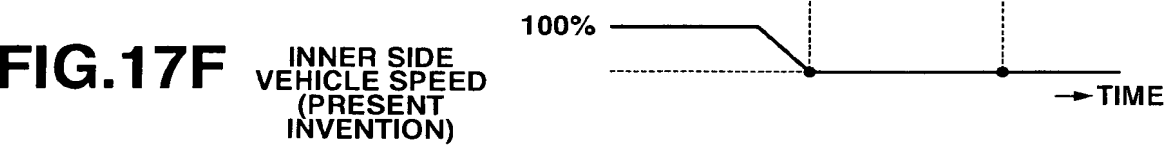
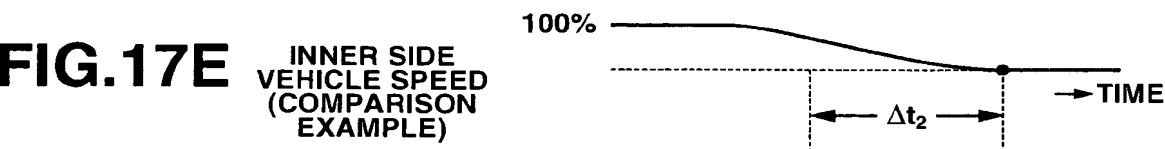
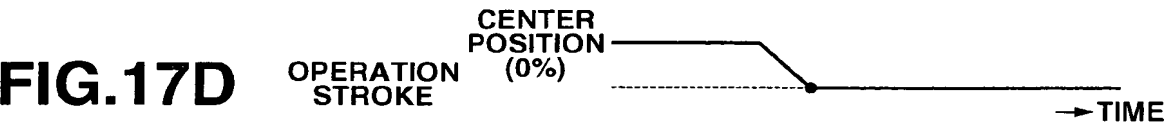
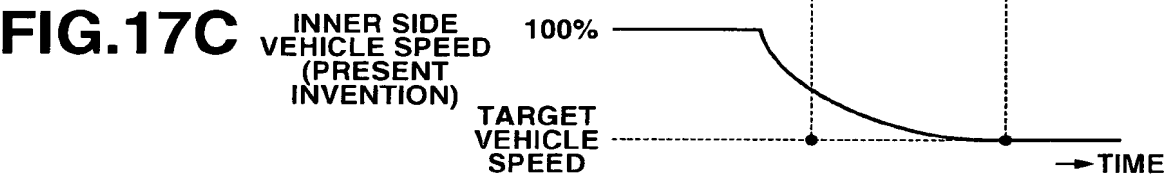
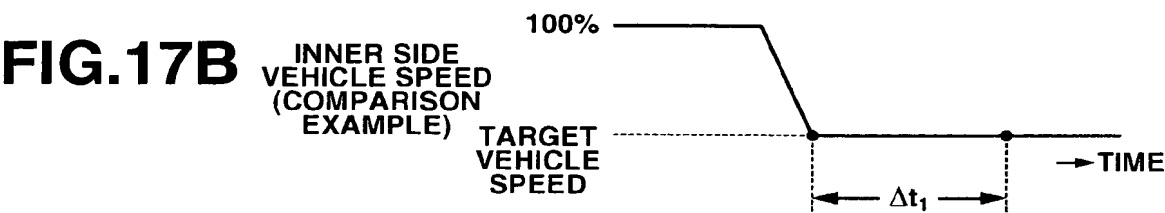
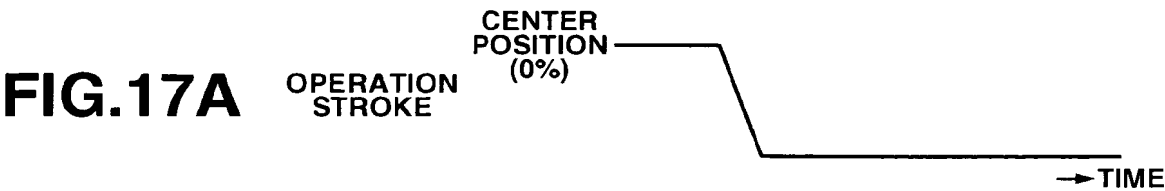


FIG.16B



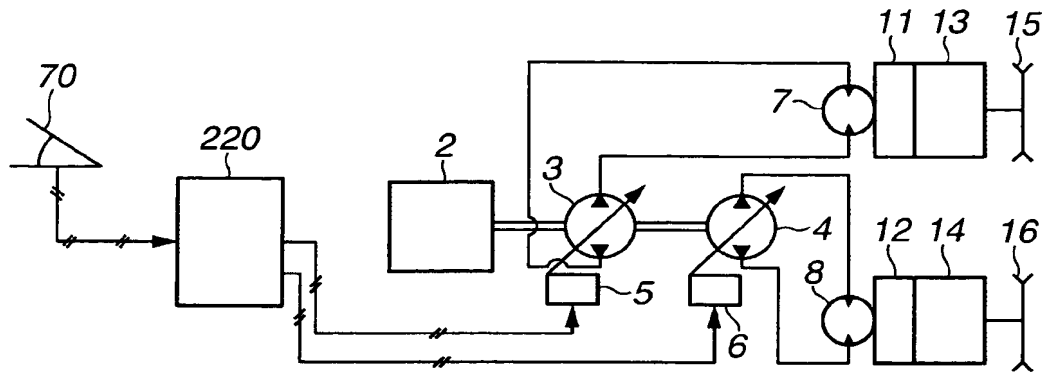


FIG.18A

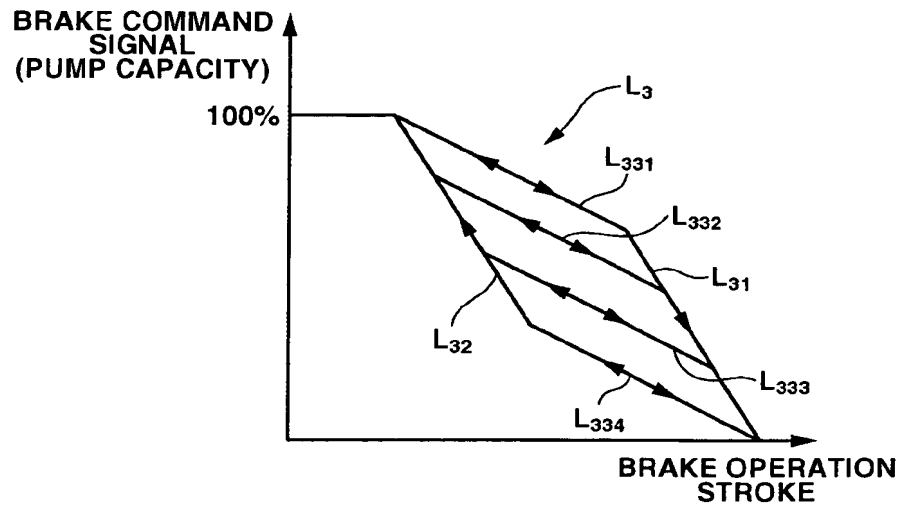


FIG.18B

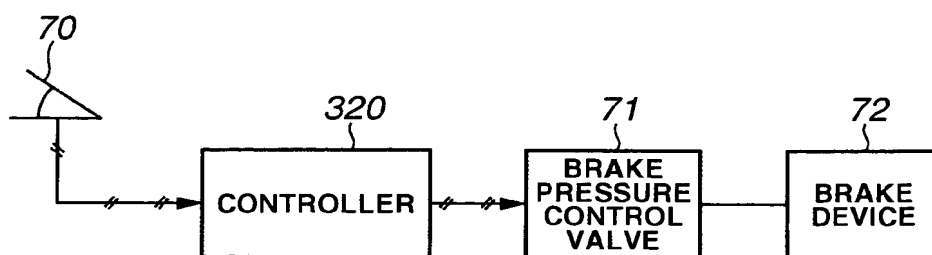


FIG.19A

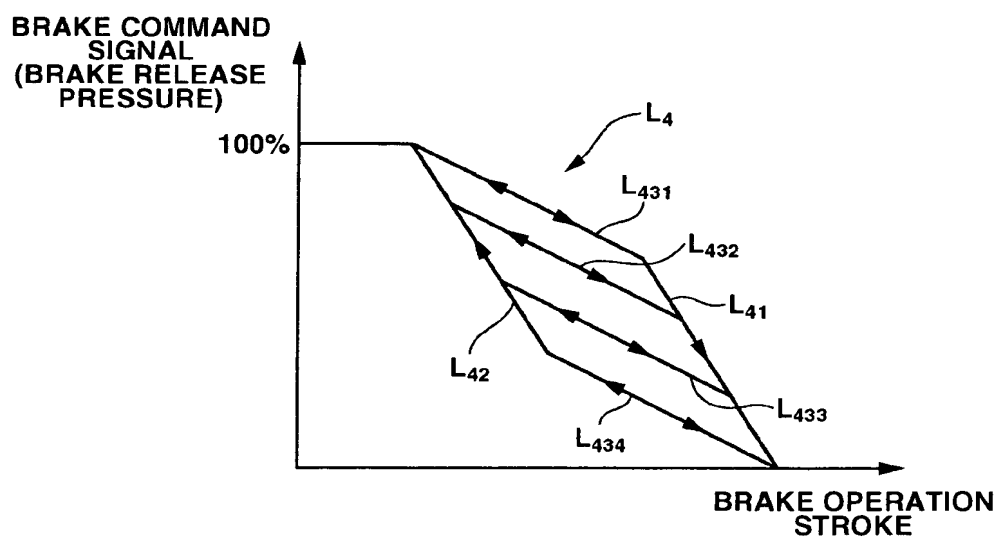


FIG.19B

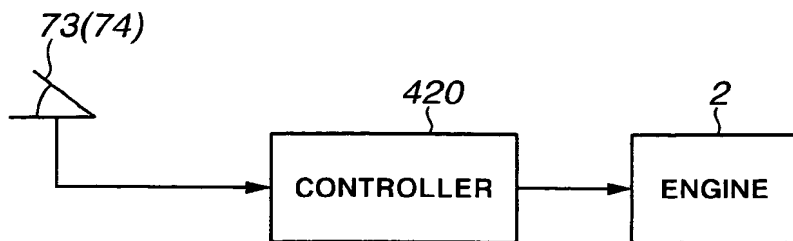


FIG.20A

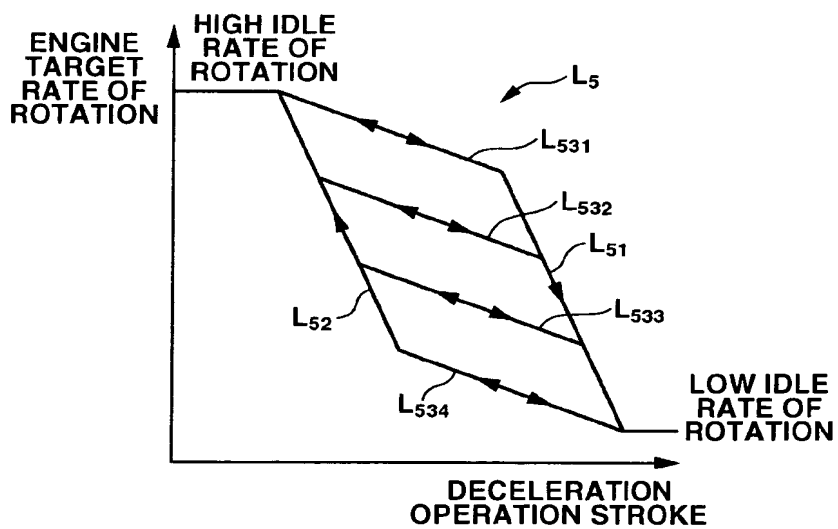


FIG.20B

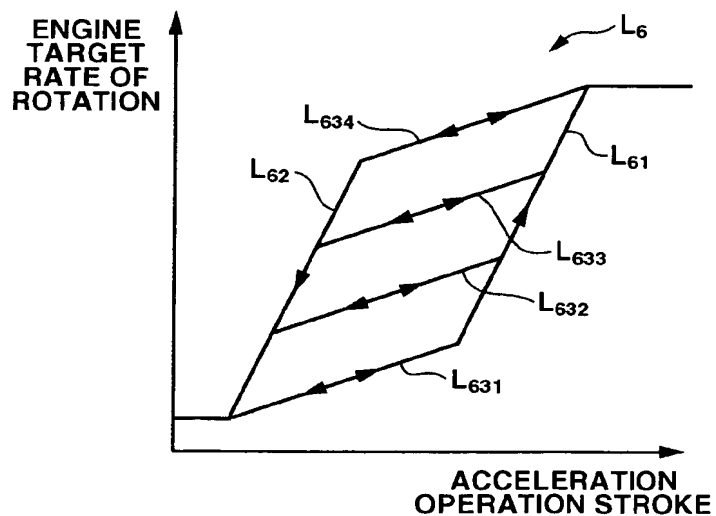


FIG.20C

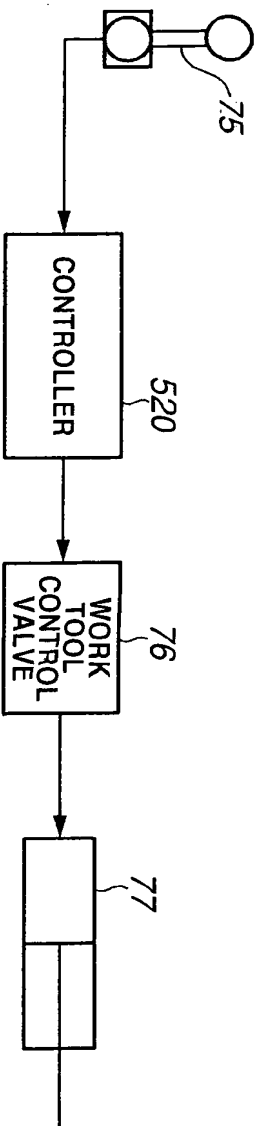


FIG. 21A

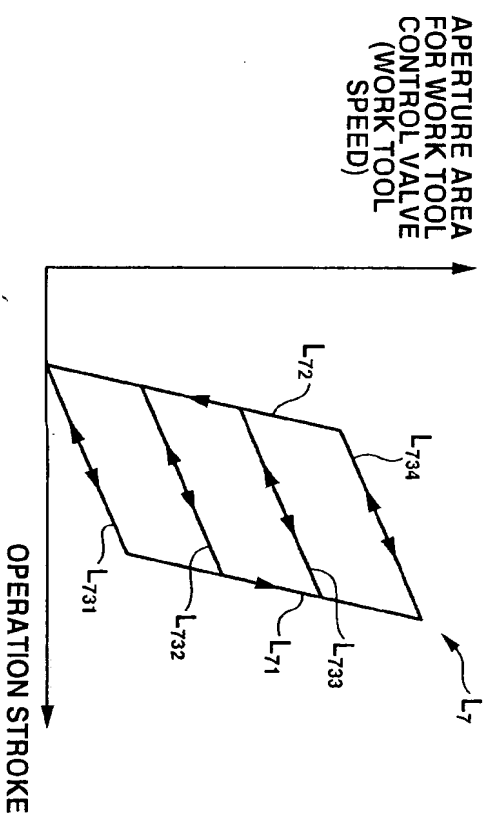


FIG. 21B